

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A concrete formwork ~~panel~~ comprising:
a plurality of panels, said panels connected together to form a concrete formwork, each said panel comprising:
 - a high-density polyethylene plastic core;
 - a steel facing layer attached to said plastic core;
 - a metal backing layer attached to said plastic core;
 - said panel being thicker than 7 millimeters (mm).
2. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel ranges from 9 mm to 15 mm thick.
3. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel is 12 mm thick.
4. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel has a density such that a panel that is 8 feet (2.43 meters) by 2 feet (0.6 meters) weighs 77 pounds or less.
5. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said metal backing layer is steel.
6. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel one of said steel facing layer and said metal backing layer is made of 0.009 inch (0.23 mm) steel.
7. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel one of said steel facing layer and said metal backing layer is made of 0.013 inch (0.33 mm) steel.

8. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel one of said steel facing layer and said metal backing layer is made of 0.019 inch (0.48 mm) steel.

9. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel said metal backing layer is aluminum.

10. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein said plastic is foam plastic.

11. (Currently amended) A concrete formwork ~~panel~~ as in claim 10 wherein said foam plastic is 40% to 70% gas, by volume.

12. (Currently amended) A concrete formwork ~~panel~~ as in claim 10 wherein said foam plastic is 50% to 70% gas, by volume.

Claim 13 (Canceled)

14. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel is bent to form a flange and said panels are connected at said flange.

15. (Currently amended) A concrete formwork ~~panel~~ as in claim 14 wherein each said flange has openings formed in it.

16. (Currently amended) A concrete formwork ~~panel~~ as in claim 14 wherein each said panel is notched at said bend.

17. (Currently amended) A concrete formwork ~~panel~~ as in claim 16 wherein each said bend is a 90° bend.

18. (Currently amended) A concrete formwork ~~panel~~ as in claim 14 wherein each said panel includes a panel end, said panel is bent twice to form a first bend and a second bend, said second bend being made closer, measured along the length of said panel, to said panel end than said first bend, said second bend being substantially 180° so that said panel is bent back on itself to form a double-thick flange comprising a first portion of said panel extending from said first bend to said second bend and a second portion of said panel extending from said second bend to said panel end.

19. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel is bent into a hollow columnar form.

20. (Currently amended) A concrete formwork ~~panel~~ as in claim 19 wherein said columnar form is cylindrical.

Claim 21 (Canceled)

22. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in at least one of said panels' said facing has a recessed or raised portion forming a design to be impressed in concrete.

23. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel ~~and further including~~ includes a strengthening rib attached to said metal backing layer.

24. (Currently amended) A concrete formwork ~~panel~~ as in claim 23 wherein said strengthening rib includes a handhold portion adapted to be graspable by a human hand.

25. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel said facing and said backing are attached to said plastic with adhesive.

26. (Currently amended) A concrete formwork system ~~comprising a plurality of concrete formwork panels~~ as in claim 1 and further comprising a plurality of fasteners fastening said plurality of panels together.

27. (Currently amended) A concrete formwork system as in claim 26 and further comprising a support framework adjacent said backing of at least one of said panels.

28. (Original) A concrete formwork system as in claim 27 wherein said framework comprises steel frame members.

Claims 29 – 38 (Canceled)

39. (Currently amended) A concrete formwork ~~panel~~ comprising:
a plurality of panels, each said panel having a flange, said panels connected together at said flanges to form a concrete formwork, each said panel comprising:

a foam plastic core;
a metal facing layer attached to said plastic core;
a metal backing layer attached to said plastic core;
wherein said foam plastic is ~~32%~~ 30% to 70% gas, by volume.

40. (Currently amended) A concrete formwork ~~panel~~ as in claim 39 wherein said foam plastic is 40% to 70% gas, by volume.

41. (Currently amended) A concrete formwork ~~panel~~ as in claim 39 wherein said foam plastic is 50% to 70% gas, by volume.

42. (Currently amended) A concrete formwork ~~panel~~ as in claim 39 wherein said plastic is high-density polyethylene.

43. (Previously presented) A concrete formwork panel as in claim 19 wherein said panel has a first end and a second end, and wherein a first portion of said facing and a first portion of said plastic core are removed at said first end to expose a first surface of a first portion of said backing, which first surface was adjacent to said removed first plastic core portion prior to said removal of said first plastic

core portion; a second portion of said facing is removed at said first end to expose a second surface of a second portion of said plastic core, which second surface was adjacent to said removed second portion of said facing prior to said removal of said second portion of said facing; a second portion of said backing and a third portion of said plastic core are removed at said second end to expose a third surface of a third portion of said facing, which third surface was adjacent to said removed third plastic core portion prior to said removal of said third plastic core portion; a third portion of said backing is removed at said second end to expose a fourth surface of a fourth portion of said plastic core, which fourth surface was adjacent to said removed third portion of said backing prior to said removal of said third portion of said backing; and said first and second ends are joined with said plastic core abutting at its ends, said second surface in contact with said third surface, and said first surface in contact with said fourth surface.